TEM / 3
Magnetic Antenna

DESCRIPTION
The TEM/3 antenna is a single channel magnetic field antenna useful for transient electromagnetic (TEM), controlled source audio-frequency magnetotelluric (CSAMT), and other types of EM geophysical surveys measuring vertical or horizontal fields. Multiple units may be used simultaneously to measure multiple axes.

FEATURES
- The TEM/3 can be used inside or outside the transmitting loop for transient measurements.
- Frequency calibrations are provided for both harmonic and single frequency applications.

OPTIONAL EQUIPMENT
- Antenna STAND/Z for vertical measurements.
- Antenna STAND/XZ for a combination of vertical and horizontal measurements.

Zonge Engineering and Research Organization, Inc.
Specialists in Electrical Geophysics
• Field Surveys • Geophysical Consulting • Instrumentation Sales and Lease •

SPECIFICATIONS FOR THE TEM/3 MAGNETIC ANTENNA

General

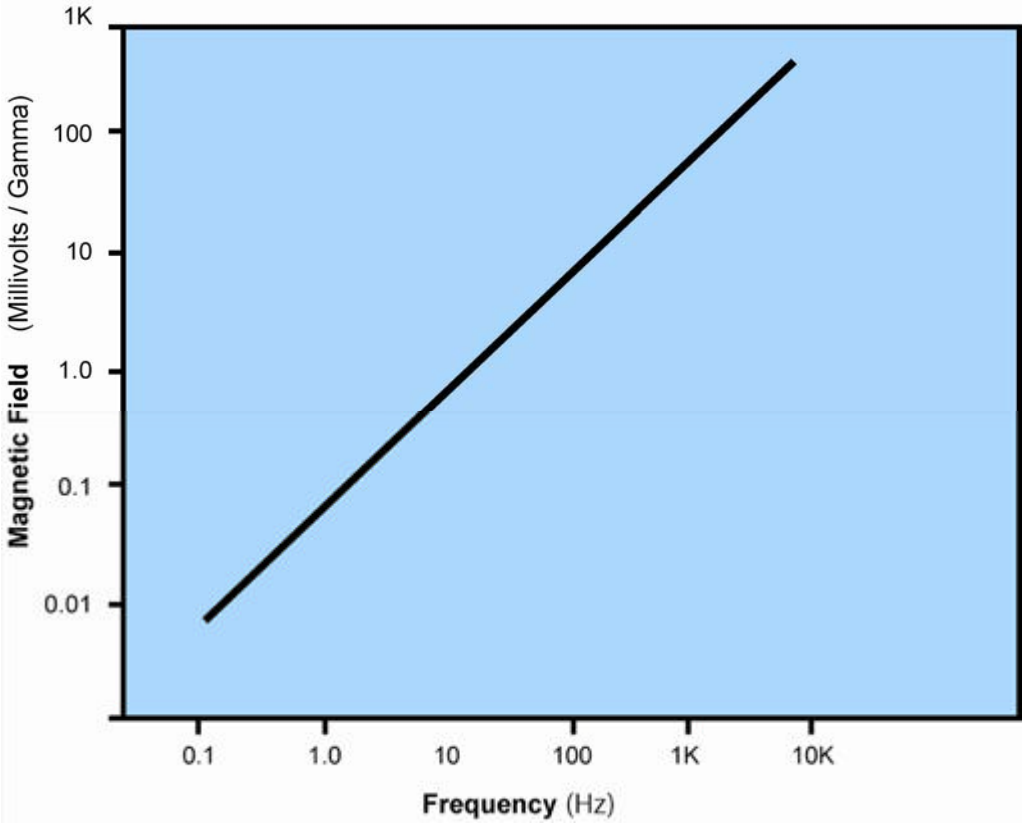
Power: two 9V batteries
- Alkaline: 7 days at 12 hours per day
- Lithium: >14 days at 12 hours per day

Amplifier gain: 33
Number of turns: 4000
Effective Area: 10,000 m^2
Minimum Detectable Signal: 0.007 gamma•Hz
Maximum signal without saturation: 68,000 gamma•Hz
Delay constant: 15 microseconds
Multiple unit crosstalk: > 60db isolation
Electrical response: dB/dt to above 8 KHz

Physical

Length:	61cm
Diameter:	11cm
Weight:	4.5 kg
Core:	ceramic ferrite, 2.54 x 45.7 cm

Specifications subject to change without notice



Zonge Engineering and Research Organization, Inc.
Offices:
Arizona, Alaska, Nevada, Colorado and Minnesota
Headquarters:
3322 E. Ft. Lowell Road, Tucson, AZ 85716, USA (800) 523-9913
Tel: (520) 327-5501 Email: zonge@zonge.com
Fax: (520) 325-1588 Web: http://www.zonge.com